

Low Birth Weight

TITLE V INDICATOR TEMPLATE

INDICATOR: Percent of Low Birth Weight

DEFINITION: The percent of live births weighing less than 2,500 grams

NUMERATOR: The number of live births weighing less than 2,500 grams, by place of residence, in a calendar year

DENOMINATOR: The total number of live births, by place of residence, in a calendar year

HEALTHY PEOPLE 2020 OBJECTIVE:

Reduce low birth weight births to an incidence of no more than 7.8 percent of live births.
(Baseline: 8.2 percent in 2007) (Objective MICH-8.1)

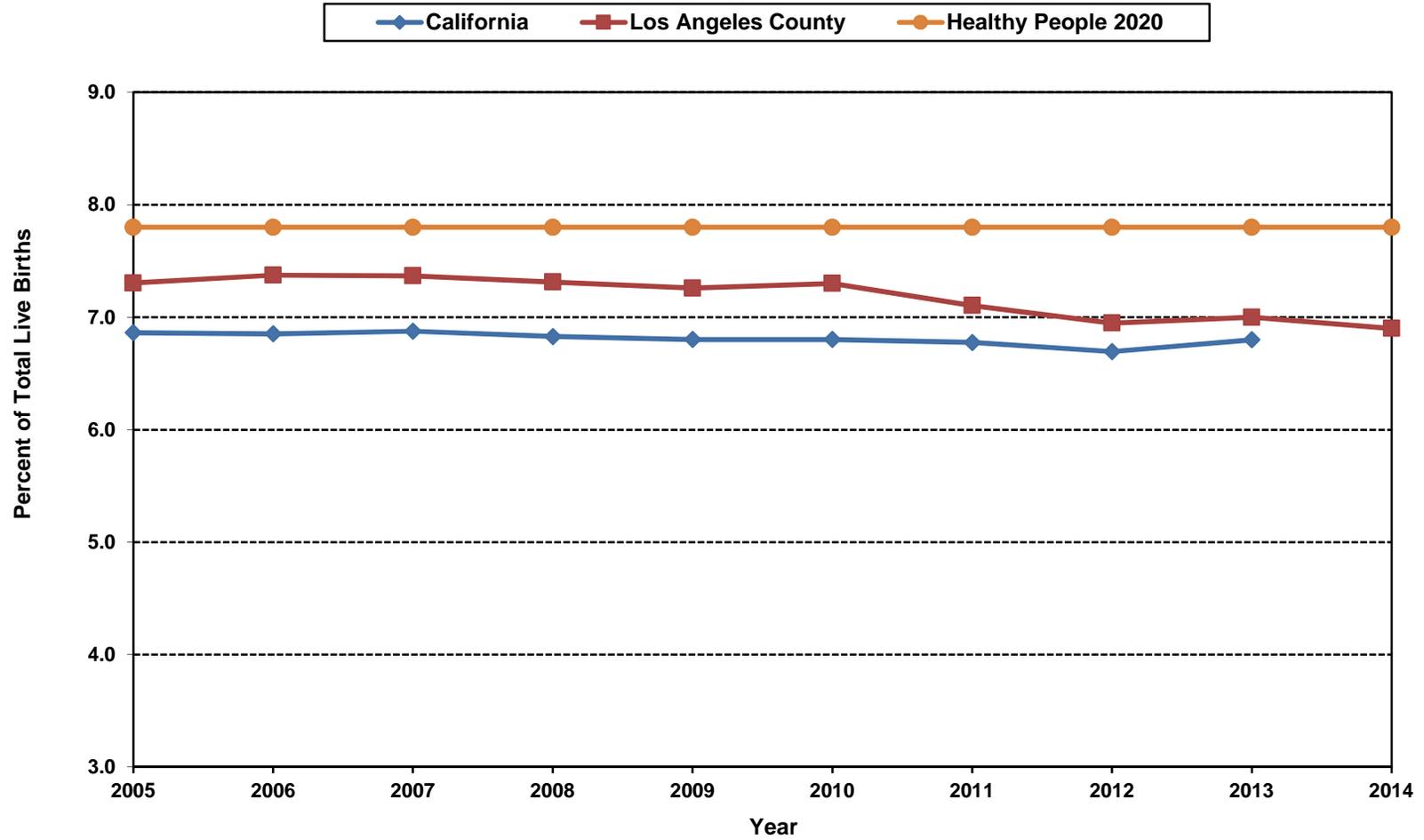
RISK FACTORS:

Young or old maternal age; low income; low maternal education level; race/ethnicity (African American, Puerto Rican, Southeast Asian); high parity; short interpregnancy level; multiple gestation; unintended pregnancy; history of low birthweight; poor reproductive history; intrauterine growth retardation; preterm birth; prior preterm birth; late entry into prenatal care; lack of comprehensive prenatal care; low pregnancy weight; tobacco use during pregnancy; alcohol/substance abuse during pregnancy; low pregnancy weight gain; placenta previa; premature rupture of the membrane; stress during pregnancy; strenuous exertion during pregnancy

Year	California				Los Angeles County				Denominator: Live Births		
	Low Birth Weight		95% Confidence Interval		Low Birth Weight		95% Confidence Interval		Year	California	LA County
	Number	Percent	Lower	Upper	Number	Percent	Lower	Upper			
2005	37,653	6.9	6.8	6.9	10,984	7.3	7.2	7.4	2005	548,700	150,377
2006	38,517	6.9	6.8	6.9	11,196	7.4	7.2	7.5	2006	562,157	151,837
2007	38,923	6.9	6.8	6.9	11,186	7.4	7.2	7.5	2007	566,137	151,813
2008	37,663	6.8	6.8	6.9	10,800	7.3	7.2	7.4	2008	551,567	147,684
2009	35,835	6.8	6.7	6.9	10,139	7.3	7.1	7.4	2009	526,774	139,679
2010	34,692	6.8	6.7	6.9	9,721	7.3	7.2	7.4	2010	509,979	133,160
2011	34,017	6.8	6.7	6.8	9,257	7.1	7.0	7.2	2011	502,023	130,313
2012	33,723	6.7	6.6	6.8	9,151	6.9	6.8	7.1	2012	503,788	131,697
2013	33,798	6.8	6.8	6.9	9,058	7.0	6.9	7.2	2013	494,392	128,526
2014	#N/A	#N/A	#N/A	#N/A	9,013	6.9	6.8	7.1	2014	502,973	130,150

Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2005-2014.

**Percent of Low Birth Weight
California vs. Los Angeles County, 2005-2014**

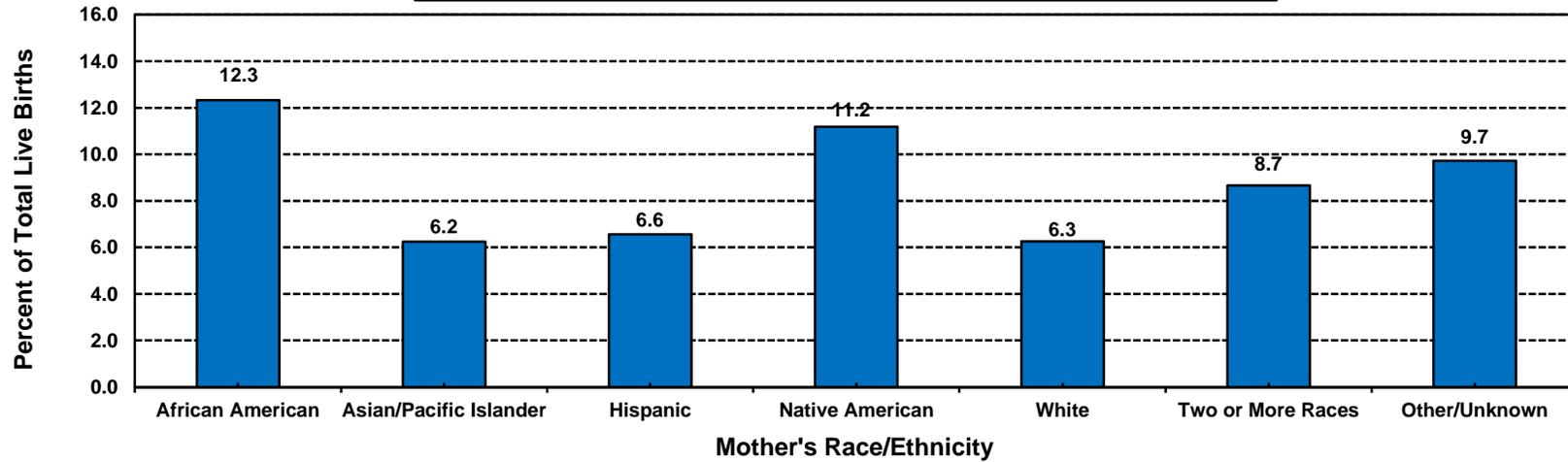


Year 2020 Objective: Reduce low birth weight births to an incidence of no more than 7.8 percent of live births.

Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2005-2014.

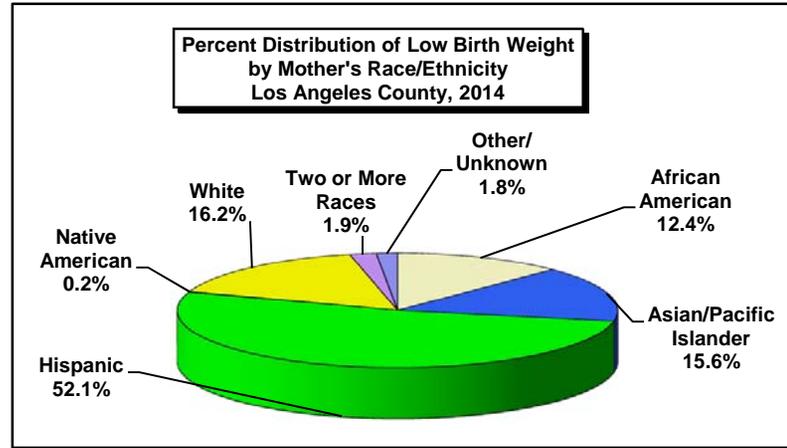
Note: California live birth data for the year 2014 is unavailable.

**Low Birth Weight Live Births, as Percent of Total Live Births
by Mother's Race/Ethnicity
Los Angeles County, 2014**



Los Angeles County, 2014				
Mother's Race/Ethnicity	Low Birthweight		95% Confidence Interval	
	Number	Percent	Lower	Upper
African American	1,118	12.3	11.7	13.0
Asian/Pacific Islander	1,410	6.2	5.9	6.6
Hispanic	4,694	6.6	6.4	6.7
Native American	16	11.2	6.0	16.4
White	1,460	6.3	5.9	6.6
Two or More Races	175	8.7	7.4	9.9
Other/Unknown	140	9.7	8.2	11.3
Total	9,013	6.9	6.8	7.1

Total Live Births
9,069
22,586
71,566
143
23,327
2,020
1,439
130,150

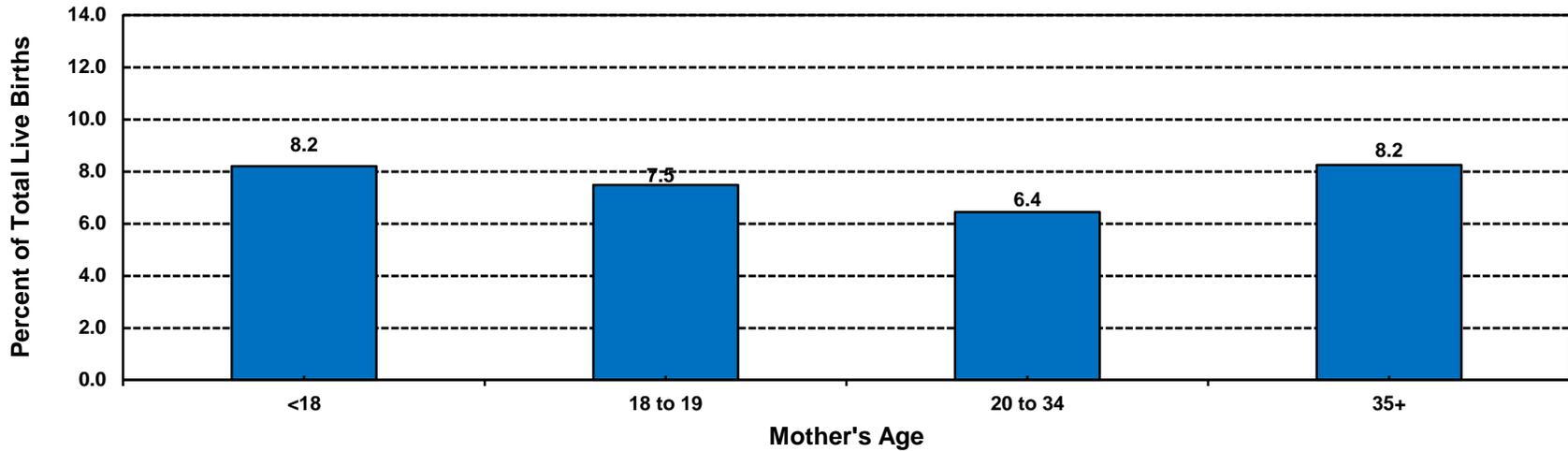


Year 2020 Objective: Reduce low birth weight births to an incidence of no more than 7.8 percent of live births.

Note: Low birth weight is defined as weight less than 2,500 grams at birth.

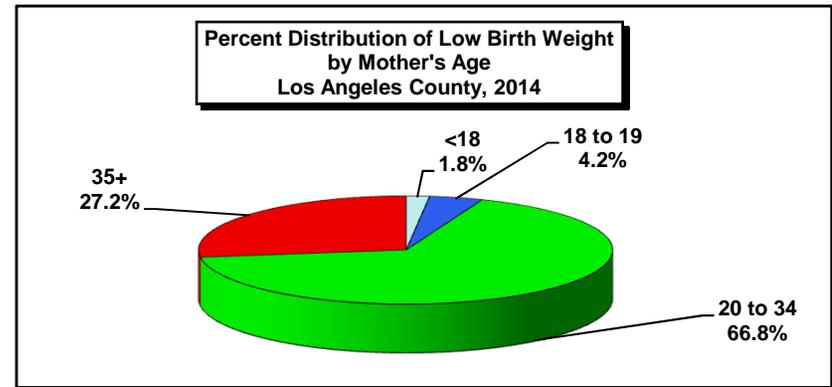
Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2014.

**Low Birth Weight Live Births, as Percent of Total Live Births
by Mother's Age
Los Angeles County, 2014**



Los Angeles County, 2014				
Mother's Age	Low Birthweight		95% Confidence Interval	
	Number	Percent	Lower	Upper
<18	163	8.2	7.0	9.4
18 to 19	376	7.5	6.8	8.2
20 to 34	6,022	6.4	6.3	6.6
35+	2,451	8.2	7.9	8.6
Total	9,013	6.9	6.8	7.1

Total Live Births
1,987
5,026
93,405
29,719
130,150

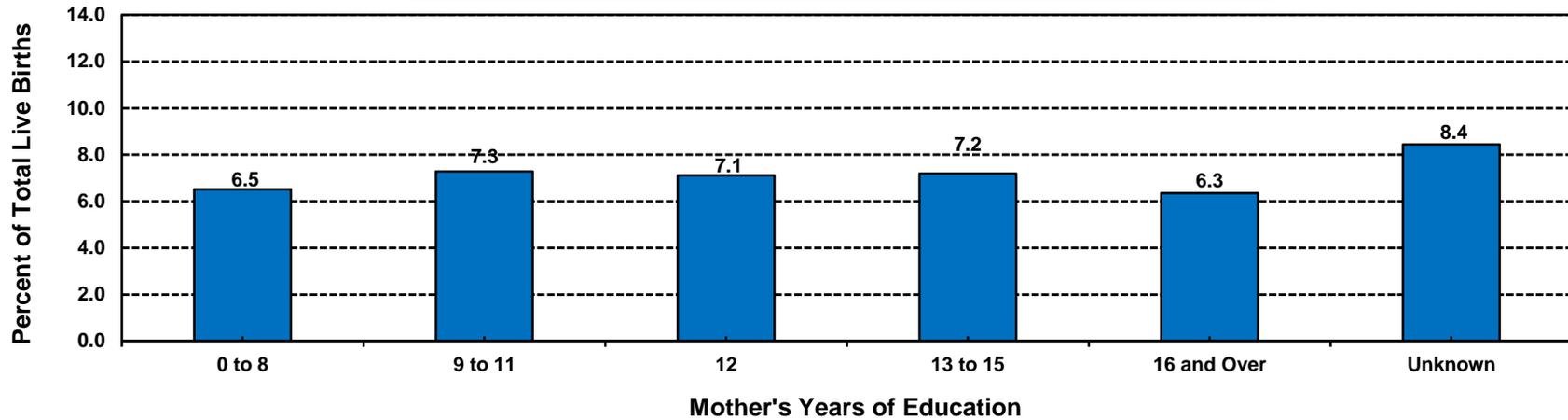


Year 2020 Objective: Reduce low birth weight births to an incidence of no more than 7.8 percent of live births.

Note: Low birth weight is defined as weight less than 2,500 grams at birth.

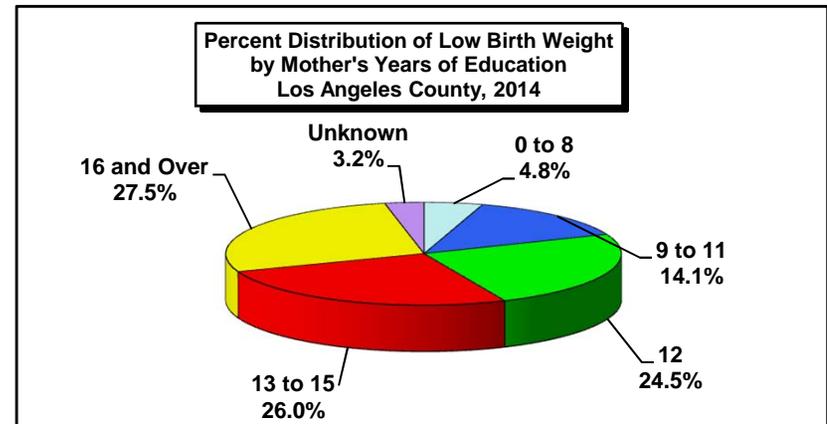
Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2014.

**Low Birth Weight Live Births, as Percent of Total Live Births
by Mother's Years of Education
Los Angeles County, 2014**



Los Angeles County, 2014				
Mother's Years of Education	Low Birthweight		95% Confidence Interval	
	Number	Percent	Lower	Upper
0 to 8	430	6.5	5.9	7.1
9 to 11	1,270	7.3	6.9	7.7
12	2,206	7.1	6.8	7.4
13 to 15	2,339	7.2	6.9	7.5
16 and Over	2,481	6.3	6.1	6.6
Unknown	287	8.4	7.5	9.4
Total	9,013	6.9	6.8	7.1

Total Live Births
6,604
17,457
31,034
32,556
39,098
3,401
130,150

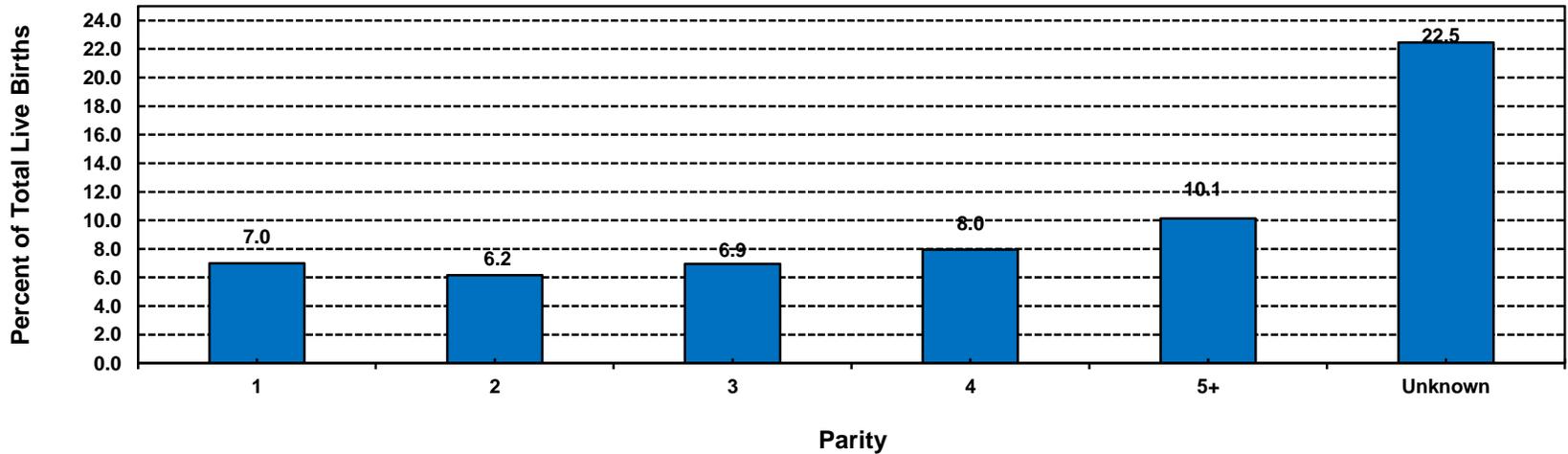


Year 2020 Objective: Reduce low birth weight births to an incidence of no more than 7.8 percent of live births.

Note: Low birth weight is defined as weight less than 2,500 grams at birth.

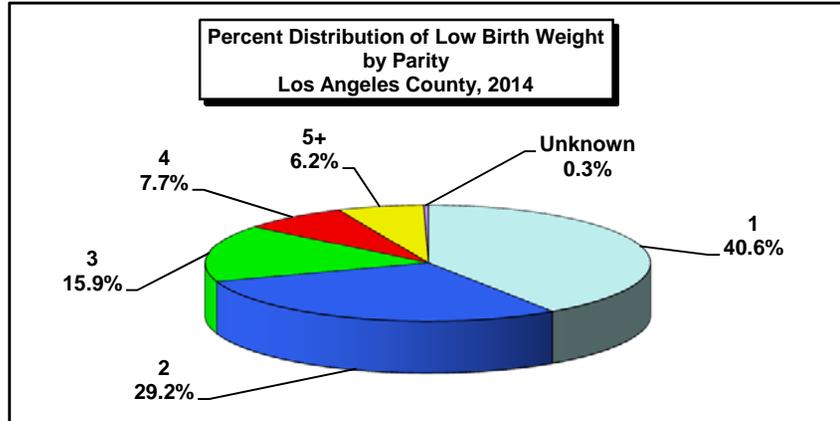
Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2014.

**Low Birth Weight Live Births, as Percent of Total Live Births
by Parity
Los Angeles County, 2014**



Los Angeles County, 2014				
Parity	Low Birthweight		95% Confidence Interval	
	Number	Percent	Lower	Upper
1	3,661	7.0	6.8	7.2
2	2,629	6.2	5.9	6.4
3	1,437	6.9	6.6	7.3
4	693	8.0	7.4	8.5
5+	562	10.1	9.3	10.9
Unknown	31	22.5	15.5	29.4
Total	9,013	6.9	6.8	7.1

Total Live Births
52,338
42,703
20,711
8,713
5,547
138
130,150



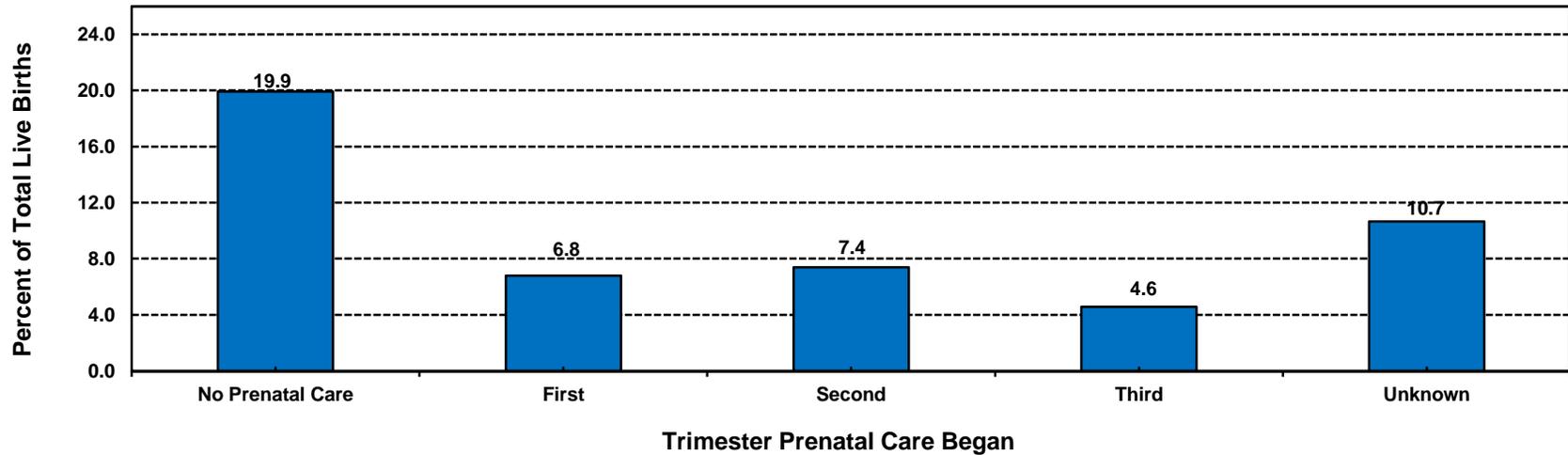
Year 2020 Objective: Reduce low birth weight births to an incidence of no more than 7.8 percent of live births.

Note: Low birth weight is defined as weight less than 2,500 grams at birth.

Parity = number of pregnancies resulting in live births to a woman.

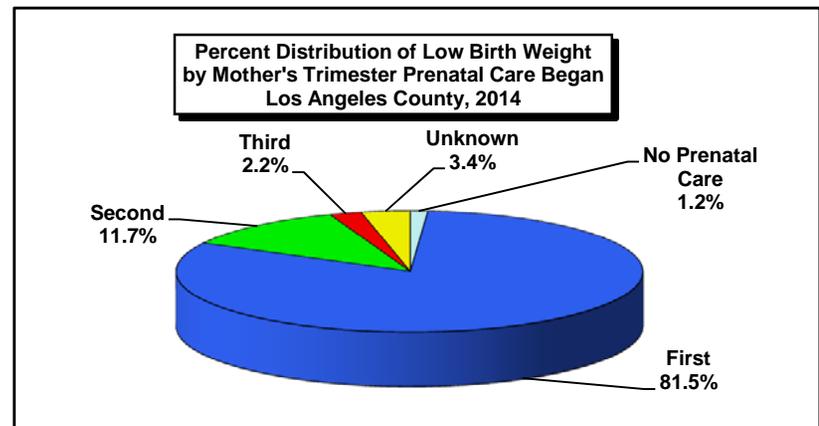
Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2014.

**Low Birth Weight Live Births, as Percent of Total Live Births
by Mother's Trimester Prenatal Care (PNC) Began
Los Angeles County, 2014**



Los Angeles County, 2014				
Mother's Trimester Prenatal Care Began	Low Birthweight		95% Confidence Interval	
	Number	Percent	Lower	Upper
No Prenatal Care	108	19.9	16.6	23.3
First	7,350	6.8	6.6	6.9
Second	1,052	7.4	7.0	7.8
Third	199	4.6	4.0	5.2
Unknown	304	10.7	9.5	11.8
Total	9,013	6.9	6.8	7.1

Total Live Births
542
108,161
14,242
4,351
2,854
130,150



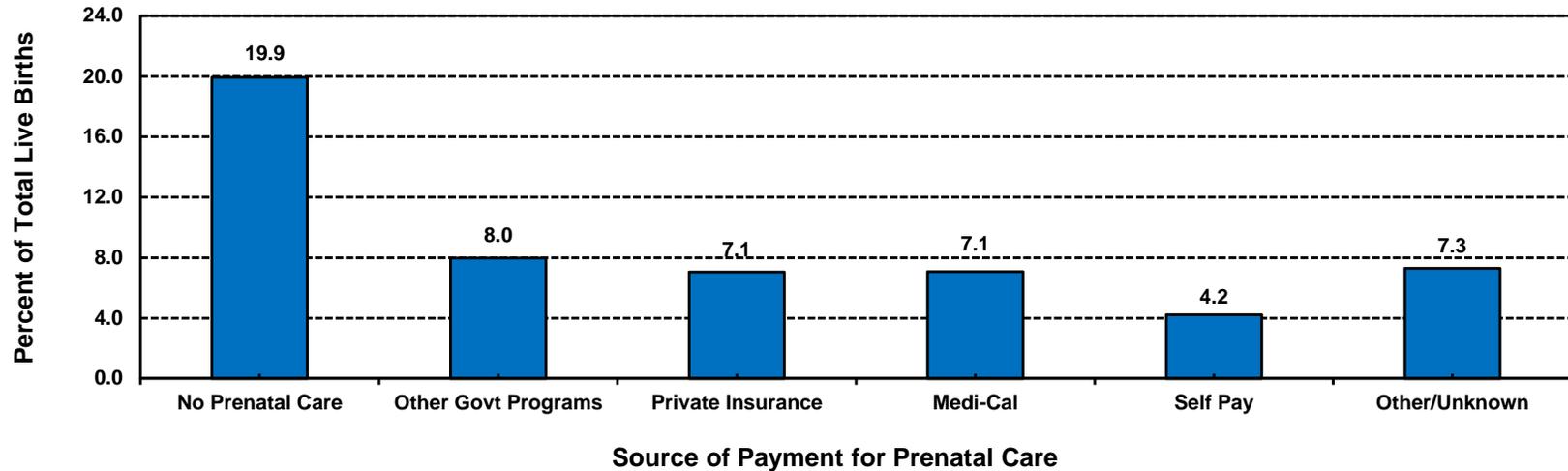
Year 2020 Objective: Reduce low birth weight births to an incidence of no more than 7.8 percent of live births.

Note: Low birth weight is defined as weight less than 2,500 grams at birth.

"Trimester Prenatal Care (PNC) Began" excludes the prenatal care experiences of all women whose pregnancies did not result in a live birth.

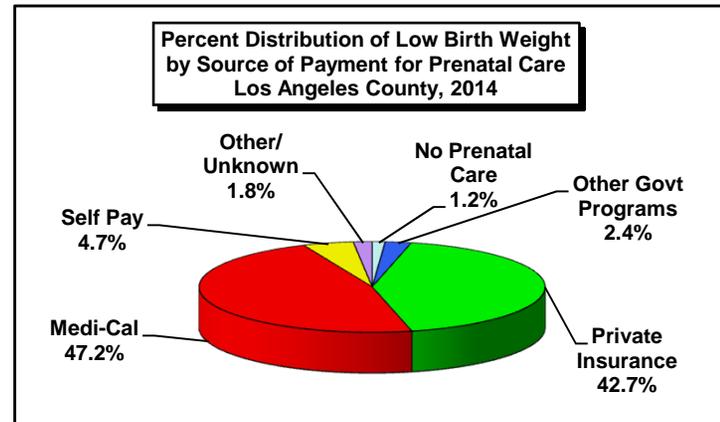
Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2014.

**Low Birth Weight Live Births, as Percent of Total Live Births
by Source of Payment for Prenatal Care (PNC)
Los Angeles County, 2014**



Los Angeles County, 2014				
Source of Payment for Prenatal Care	Low Birthweight		95% Confidence Interval	
	Number	Percent	Lower	Upper
No Prenatal Care	108	19.9	16.6	23.3
Other Govt Programs	219	8.0	7.0	9.0
Private Insurance	3,849	7.1	6.8	7.3
Medi-Cal	4,253	7.1	6.9	7.3
Self Pay	426	4.2	3.8	4.6
Other/Unknown	158	7.3	6.2	8.4
Total	9,013	6.9	6.8	7.1

Total Live Births
542
2,745
54,512
60,087
10,093
2,167
130,146

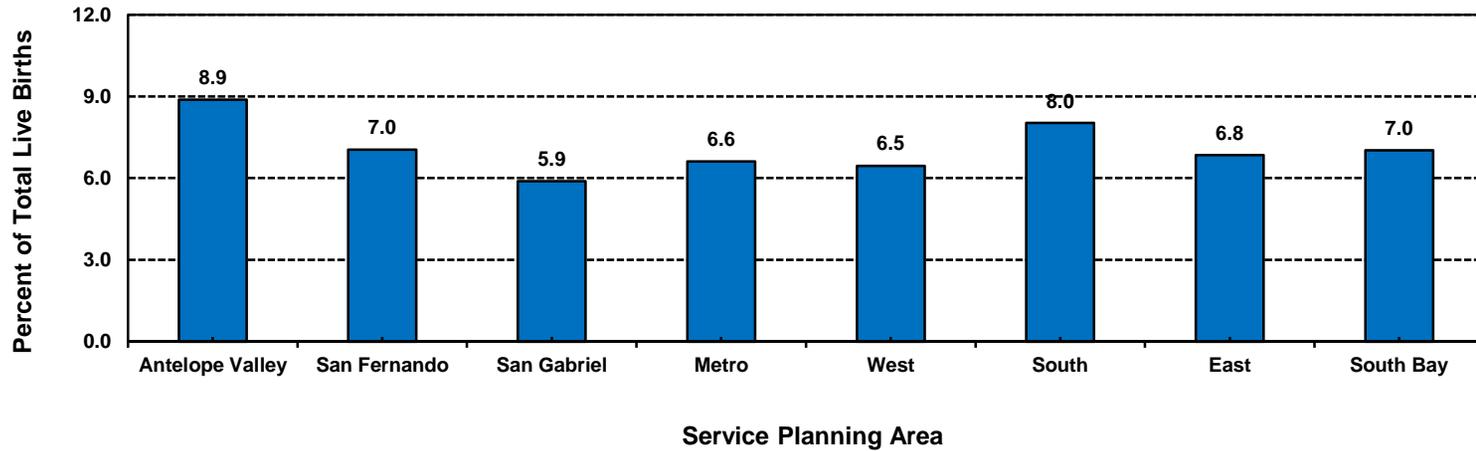


Year 2020 Objective: Reduce low birth weight births to an incidence of no more than 7.8 percent of live births.

Note: Low birth weight is defined as weight less than 2,500 grams at birth.

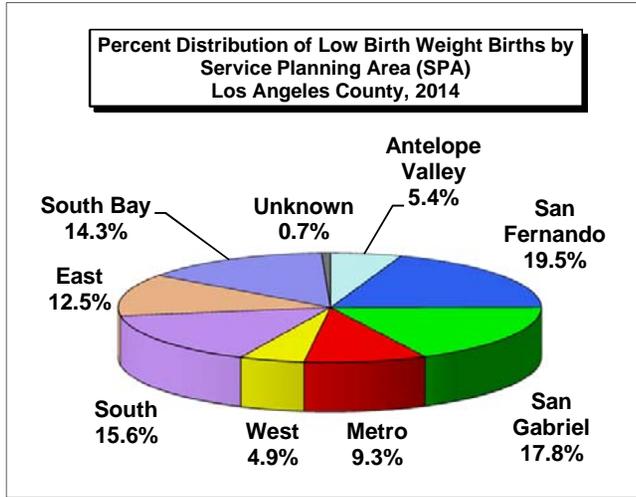
Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2014.

**Low Birth Weight as Percent of Total Live Births
by Service Planning Area (SPA)
Los Angeles County, 2014**



Los Angeles County, 2014				
Service Planning Area (SPA)	SPA		95% Confidence Interval	
	Number	Percent	Lower	Upper
Antelope Valley	486	8.9	8.1	9.6
San Fernando	1,757	7.0	6.7	7.4
San Gabriel	1,601	5.9	5.6	6.2
Metro	842	6.6	6.2	7.0
West	445	6.5	5.9	7.0
South	1,405	8.0	7.6	8.4
East	1,124	6.8	6.5	7.2
South Bay	1,292	7.0	6.7	7.4
Unknown	61	10.0	7.6	12.4
Total	9,013	6.9	6.8	7.1

Total Live Births
5,473
24,923
27,203
12,732
6,898
17,504
16,410
18,397
610
130,150



Year 2020 Objective: Reduce low birth weight births to an incidence of no more than 7.8 percent of live births.

Note: Low birth weight is defined as weight less than 2,500 grams at birth.

Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2014.

Very Low Birth Weight

Very Low Birth Weight

INDICATOR: Percent of Very Low Birthweight

DEFINITION: The percent of live births weighing less than 1,500 grams

NUMERATOR: The number of live births weighing less than 1,500 grams, by place of residence, in a calendar year

DENOMINATOR: The total number of live births, by place of residence, in a calendar year

HEALTHY PEOPLE 2020 OBJECTIVE:

Reduce very low birth weight births to an incidence of no more than 1.4 percent of live births.
(Baseline: 1.5 percent in 2007) (Objective MICH-8.2)

RISK FACTORS:

Preterm birth, prior preterm birth; race/ethnicity (African American, Puerto Rican); substance use/abuse (e.g. illicit drug use)

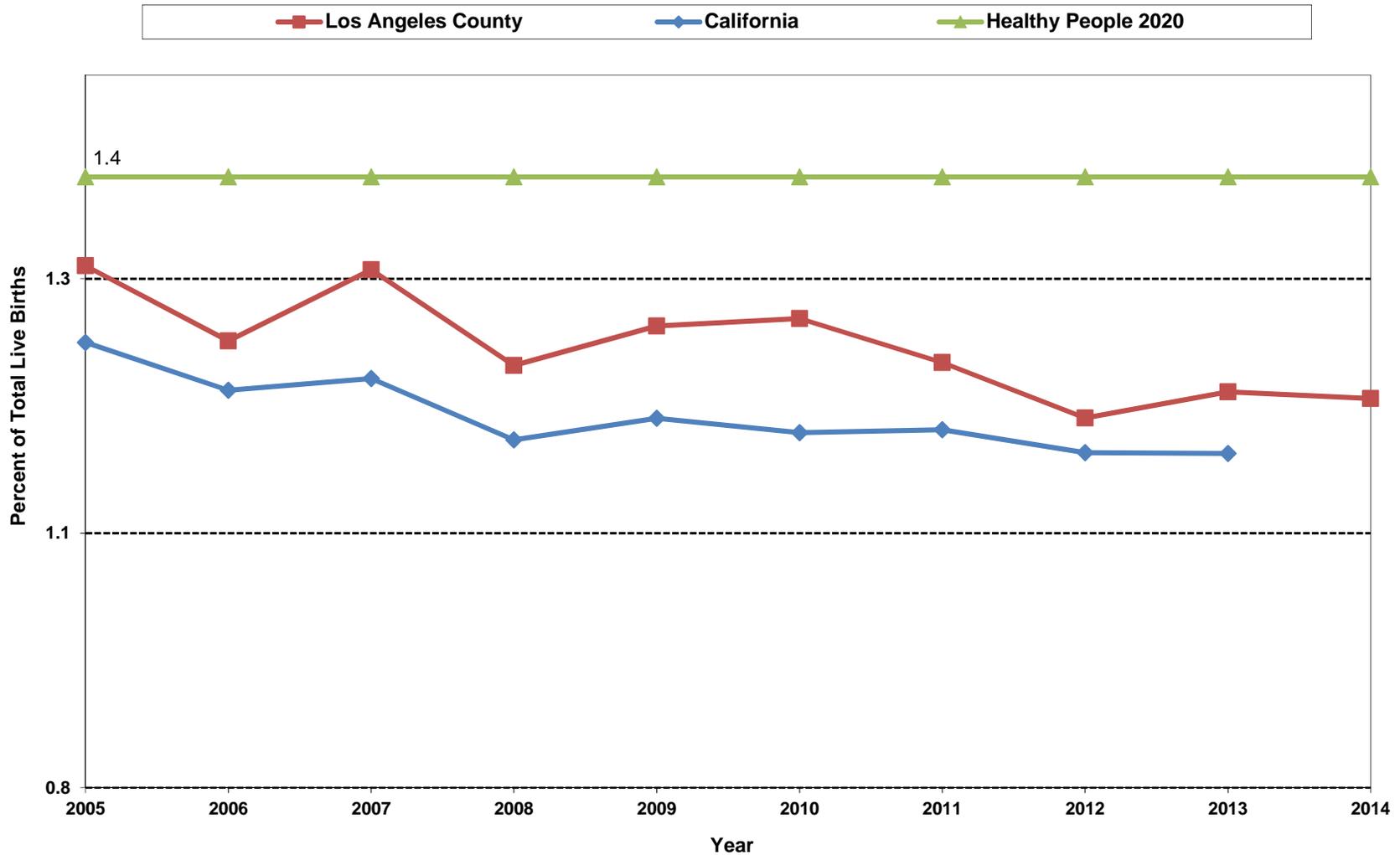
See also risk factors for low birth weight

Year	California				Los Angeles County			
	Very Low Birth Weight		95% Confidence Interval		Very Low Birth Weight		95% Confidence Interval	
	Number	Percent	Lower	Upper	Number	Percent	Lower	Upper
2005	6,790	1.2	1.2	1.3	1,974	1.3	1.3	1.4
2006	6,693	1.2	1.2	1.2	1,881	1.2	1.2	1.3
2007	6,805	1.2	1.2	1.2	1,987	1.3	1.3	1.4
2008	6,298	1.1	1.1	1.2	1,794	1.2	1.2	1.3
2009	6,127	1.2	1.1	1.2	1,751	1.3	1.2	1.3
2010	5,859	1.1	1.1	1.2	1,679	1.3	1.2	1.3
2011	5,782	1.2	1.1	1.2	1,587	1.2	1.2	1.3
2012	5,689	1.1	1.1	1.2	1,532	1.2	1.1	1.2
2013	5,579	1.1	1.1	1.2	1,528	1.2	1.1	1.2
2014	#N/A	#N/A	#N/A	#N/A	1,539	1.2	1.1	1.2

Year	Denominator: Live Births	
	California	LA County
2005	548,700	150,377
2006	562,157	151,837
2007	566,137	151,813
2008	551,567	147,684
2009	526,774	139,679
2010	509,979	133,160
2011	502,023	130,313
2012	503,788	131,697
2013	494,392	128,526
2014	502,973	130,150

Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2005-2014.

Percent of Very Low Birth Weight California vs. Los Angeles County, 2004-2014

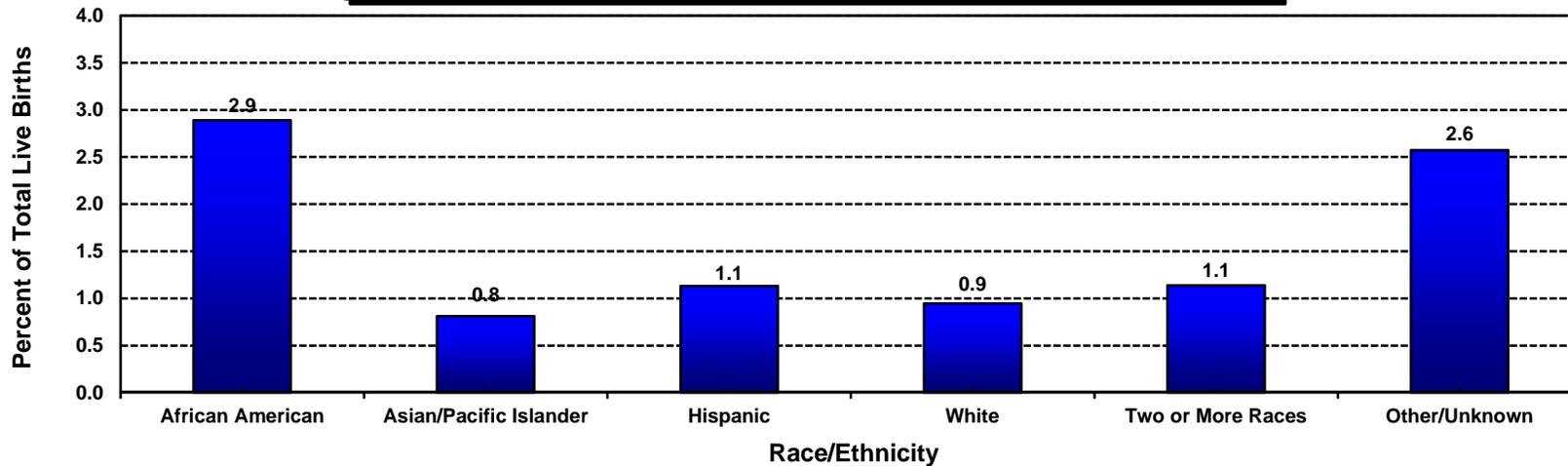


Year 2020 Objective: Reduce very low birth weight births to an incidence of no more than 1.4 percent of live births.

Note: California live birth data for the year 2014 is unavailable.

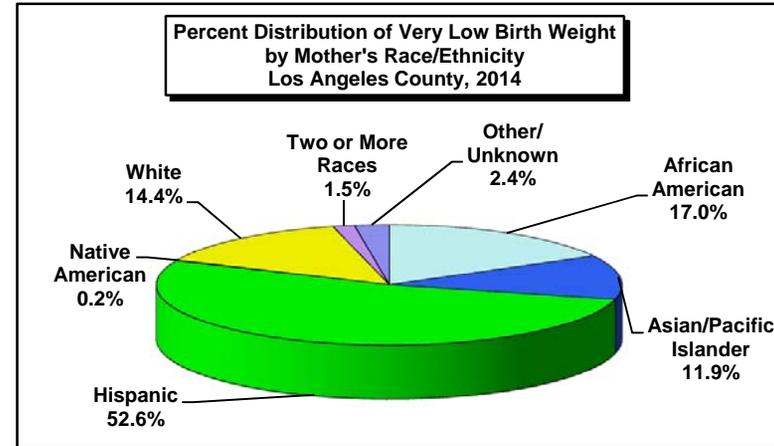
Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2005-2014.

**Very Low Birth Weight Live Births, as Percent of Total Live Births
by Mother's Race/Ethnicity
Los Angeles County, 2014**



Los Angeles County, 2014				
Mother's Race/Ethnicity	Very Low Birth Weight		95% Confidence Interval	
	Number	Percent	Lower	Upper
African American	262	2.9	2.5	3.2
Asian/Pacific Islander	183	0.8	0.7	0.9
Hispanic	810	1.1	1.1	1.2
Native American	<5	N/C	N/C	N/C
White	221	0.9	0.8	1.1
Two or More Races	23	1.1	0.7	1.6
Other/Unknown	37	2.6	1.8	3.4
Total	1,539	1.2	1.1	1.2

Total Live Births
9,069
22,586
71,566
143
23,327
2,020
1,439
130,150



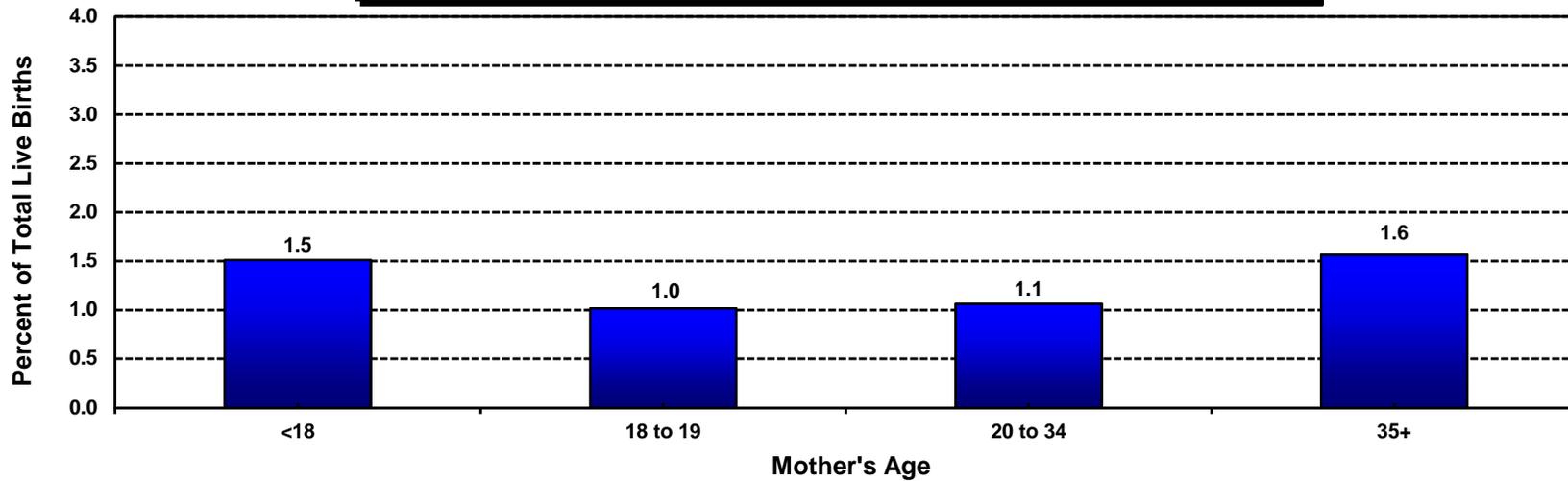
Year 2020 Objective: Reduce very low birth weight births to an incidence of no more than 1.4 percent of live births.

Note: Very low birth weight is defined as weight less than 1,500 grams at birth.

Numbers fewer than 5 are shown as "<5". Rates are not calculated (N/C) if number is fewer than five.

Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2014.

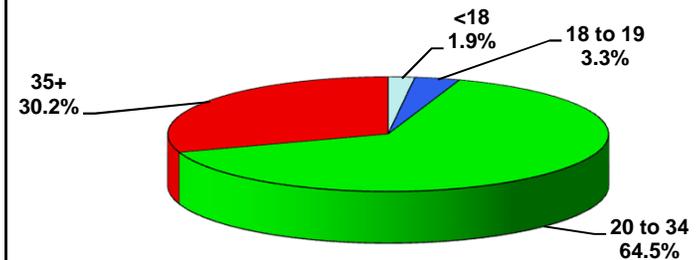
**Very Low Birth Weight Live Births, as Percent of Total Live Births
by Mother's Age
Los Angeles County, 2014**



Los Angeles County, 2014				
Mother's Age	Very Low Birth Weight		95% Confidence Interval	
	Number	Percent	Lower	Upper
<18	30	1.5	1.0	2.0
18 to 19	51	1.0	0.7	1.3
20 to 34	993	1.1	1.0	1.1
35+	465	1.6	1.4	1.7
Other/Unknown	<5	N/C	N/C	N/C
Total	1,539	1.2	1.1	1.2

Total Live Births
1,987
5,026
93,405
29,719
13
130,150

**Percent Distribution of Very Low Birth Weight
by Mother's Age
Los Angeles County, 2014**



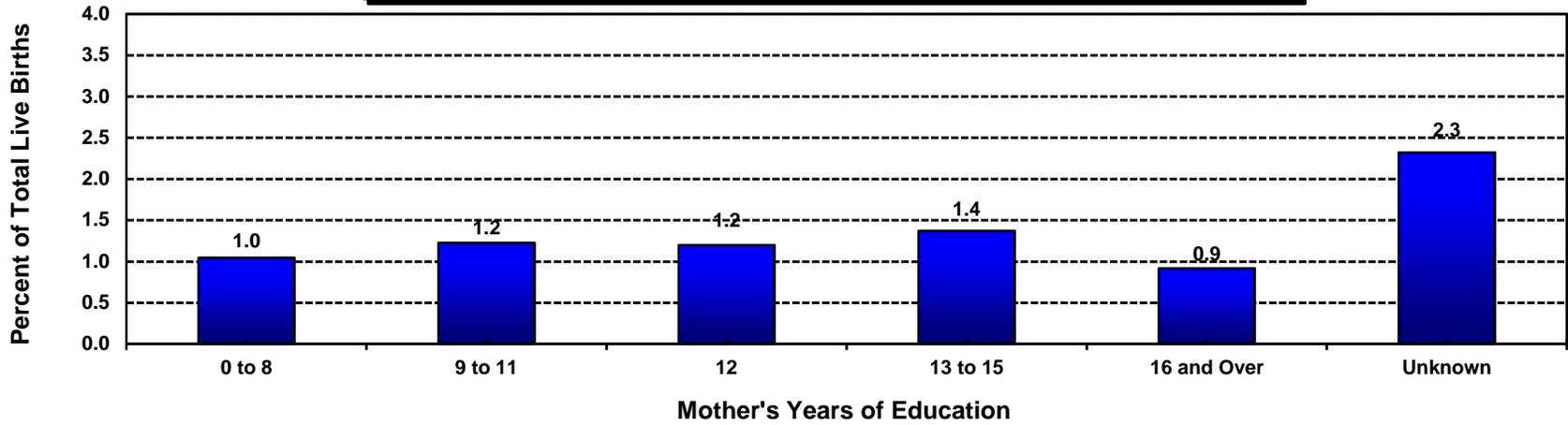
Year 2020 Objective: Reduce very low birth weight births to an incidence of no more than 1.4 percent of live births.

Note: Very low birth weight is defined as weight less than 1,500 grams at birth.

Numbers fewer than 5 are shown as "<5". Rates are not calculated (N/C) if number is fewer than five.

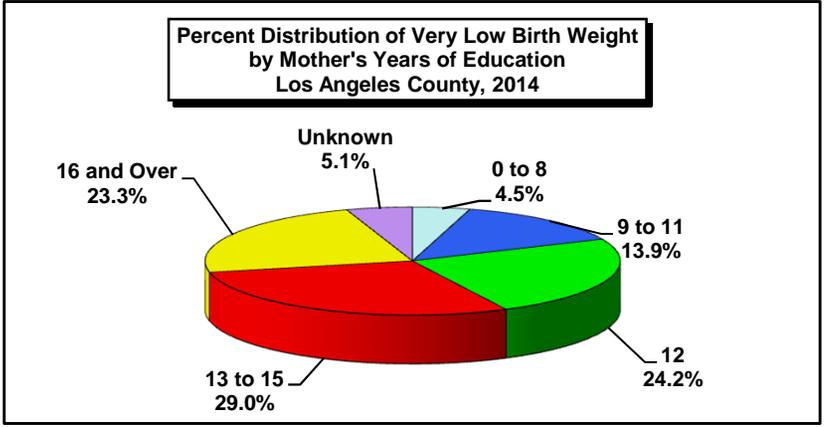
Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2014.

**Very Low Birth Weight Live Births, as Percent of Total Live Births
by Mother's Years of Education
Los Angeles County, 2014**



Los Angeles County, 2014				
Mother's Years of Education	Very Low Birth Weight		95% Confidence Interval	
	Number	Percent	Lower	Upper
0 to 8	69	1.0	0.8	1.3
9 to 11	214	1.2	1.1	1.4
12	372	1.2	1.1	1.3
13 to 15	447	1.4	1.2	1.5
16 and Over	358	0.9	0.8	1.0
Unknown	79	2.3	1.8	2.8
Total	1,539	1.2	1.1	1.2

Total Live Births
6,604
17,457
31,034
32,556
39,098
3,401
130,150

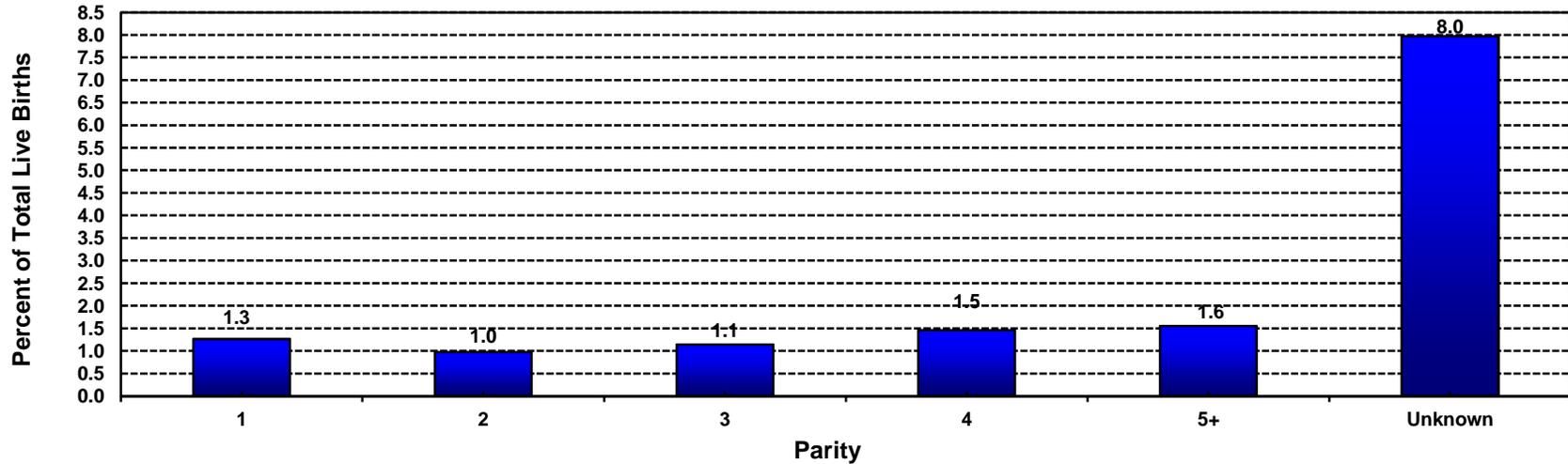


Year 2020 Objective: Reduce very low birth weight births to an incidence of no more than 1.4 percent of live births.

Note: Very low birth weight is defined as weight less than 1,500 grams at birth.

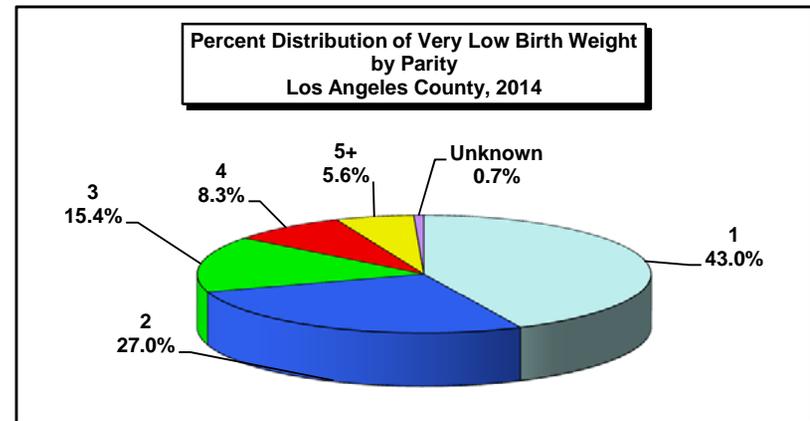
Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2014.

**Very Low Birth Weight Live Births, as Percent of Total Live Births
by Parity
Los Angeles County, 2014**



Los Angeles County, 2014				
Parity	Very Low Birth Weight		95% Confidence Interval	
	Number	Percent	Lower	Upper
1	662	1.3	1.2	1.4
2	416	1.0	0.9	1.1
3	237	1.1	1.0	1.3
4	127	1.5	1.2	1.7
5+	86	1.6	1.2	1.9
Unknown	11	8.0	3.5	12.5
Total	1,539	1.2	1.1	1.2

Total Live Births
52,338
42,703
20,711
8,713
5,547
138
130,150



Year 2020 Objective: Reduce very low birth weight births to an incidence of no more than 1.4 percent of live births.

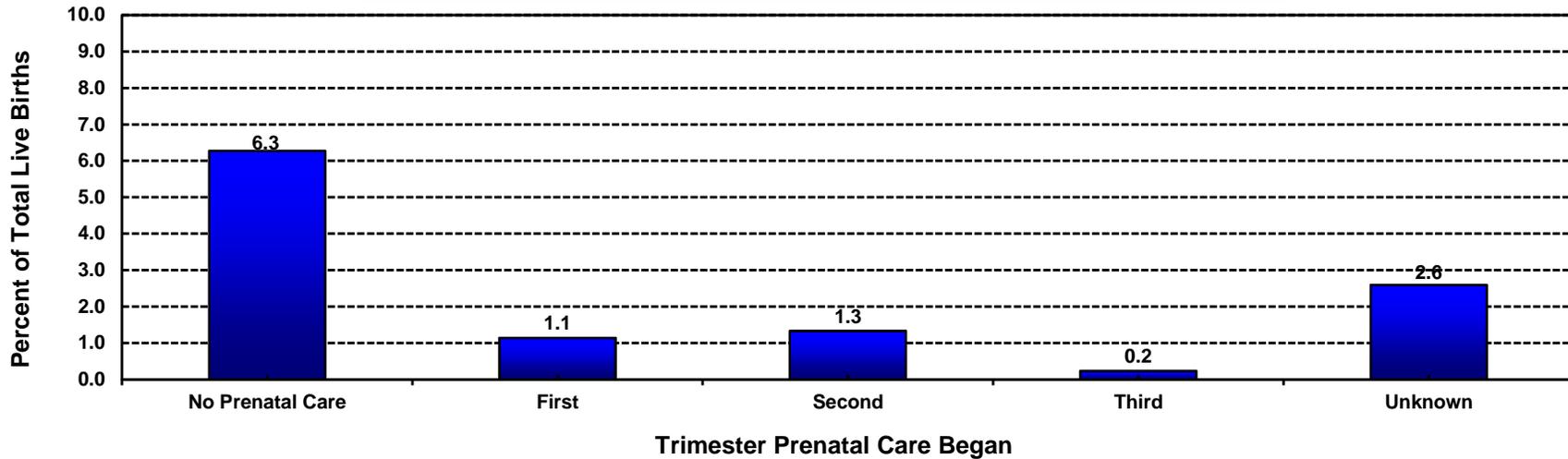
Note: Very low birth weight is defined as weight less than 1,500 grams at birth.

Parity = number of pregnancies resulting in live births to a woman.

Numbers fewer than 5 are shown as "<5". Rates are not calculated (N/C) if number is fewer than five.

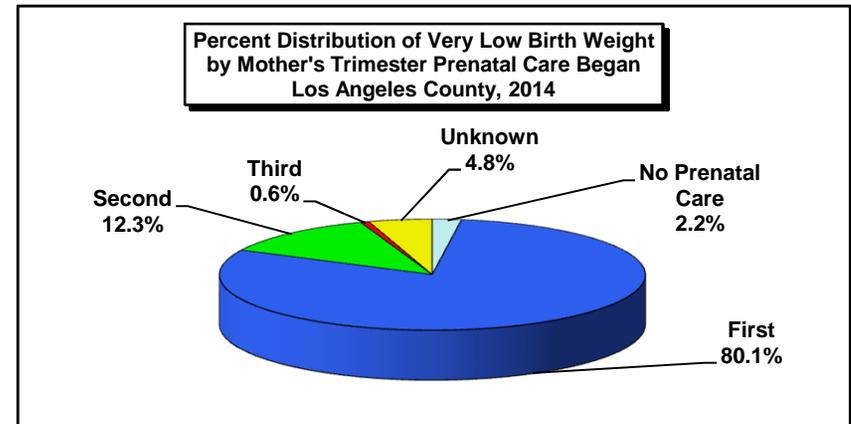
Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2014.

**Very Low Birth Weight Live Births, as Percent of Total Live Births
by Mother's Trimester Prenatal Care (PNC) Began
Los Angeles County, 2014**



Los Angeles County, 2014				
Mother's Trimester Prenatal Care Began	Very Low Birth Weight		95% Confidence Interval	
	Number	Percent	Lower	Upper
No Prenatal Care	34	6.3	4.2	8.3
First	1,232	1.1	1.1	1.2
Second	189	1.3	1.1	1.5
Third	10	0.2	0.1	0.4
Unknown	74	2.6	2.0	3.2
Total	1,539	1.2	1.1	1.2

Total Live Births
542
108,161
14,242
4,351
2,854
130,150



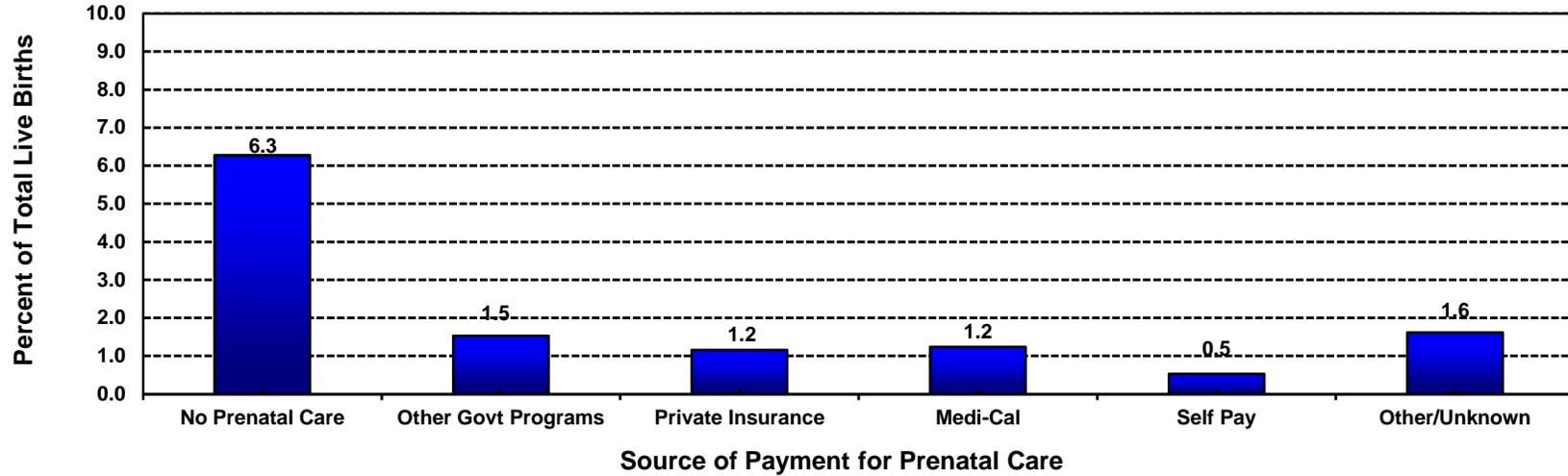
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"Trimester Prenatal Care (PNC) Began" excludes the prenatal care experiences of all women whose pregnancies did not result in a live birth.

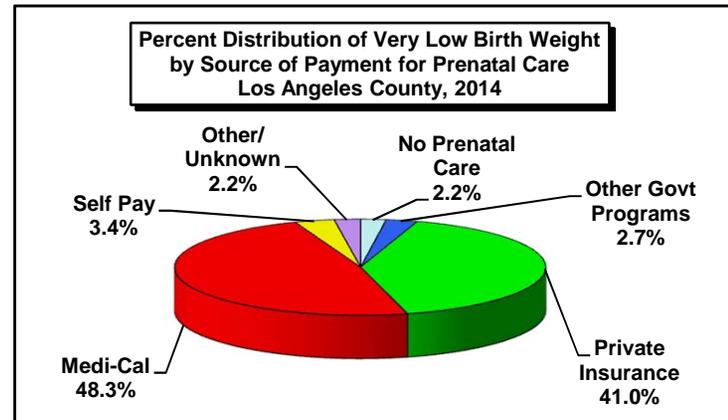
Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2014.

**Very Low Birth Weight Live Births, as Percent of Total Live Births
by Source of Payment for Prenatal Care (PNC)
Los Angeles County, 2014**



Los Angeles County, 2014				
Source of Payment for Prenatal Care	Very Low Birth Weight		95% Confidence Interval	
	Number	Percent	Lower	Upper
No Prenatal Care	34	6.3	4.2	8.3
Other Govt Programs	42	1.5	1.1	2.0
Private Insurance	631	1.2	1.1	1.2
Medi-Cal	744	1.2	1.1	1.3
Self Pay	53	0.5	0.4	0.7
Other/Unknown	35	1.6	1.1	2.1
Total	1,539	1.2	1.1	1.2

Total Live Births
542
2,745
54,512
60,087
10,093
2,171
130,150



Year 2020 Objective: Reduce very low birth weight births to an incidence of no more than 1.4 percent of live births.

Note: Very low birth weight is defined as weight less than 1,500 grams at birth.

Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2014.